



Docket No. 122191-101C1

#6/Br-Amend #754
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3/8/03
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Laurent Kieken, et al.

Serial No.: 10/068,244

Filed: February 5, 2002

2857
Group Art Unit: ~~1754~~

Examiner: ~~Not assigned~~ E. Desta

Title: METHOD AND SYSTEM FOR THE DEVELOPMENT OF MATERIALS

PRELIMINARY AMENDMENT UNDER 37 C.F.R. § 1.115

Assistant Commissioner for Patents
Box Non-Fee Amendment
Washington D.C. 20231

Sir:

Applicant requests that the above referenced application be amended as shown below.

IN THE SPECIFICATION:

Please amend the specification by replacing paragraphs 0037, 0041 with the following paragraphs:

[0030] FIG. 13 shows Density-Functional Theory (DFT) calculated heats of adsorption for O*, N*, and NO* and the NO activation barrier over several different transition metal surfaces, in accordance with the example started in FIGs. 4a through 4c.

[0036] This section provides an overview of the catalyst development engine (CDE) of the present invention and discusses the tools and methods required for data analysis and mining, predictive model development and catalytic materials selection. The topics discussed under this heading are the key components of the novel CDE depicted in FIG. 1. The